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Substitute for form 1449A/PTO

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Sheet 1

of 2

|                        |                     |
|------------------------|---------------------|
| Application Number     | 09/721,414          |
| Filing Date            | November 22, 2000   |
| First Named Inventor   | Hiroaki Suga et al. |
| Art Unit               | 1635                |
| Examiner Name          | Dr. James Schultz   |
| Attorney Docket Number | 11520.0222          |

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**Examiner  
Signature**

✓ D Schmitz

Date  
Considered

5-10-05

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| Application Number | 09/721,414 |
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| Filing Date | November 22, 2000 |
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|----------------------|---------------------|
| First Named Inventor | Hiroaki Suga et al. |
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### Art Unit

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|---------------|-------------------|
| Examiner Name | Dr. James Schultz |
|---------------|-------------------|

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| Attorney Docket Number | 11520.0222 |
|------------------------|------------|

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| Sheet | 2 | of | 2 |
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## NON PATENT LITERATURE DOCUMENTS

**Examiner  
Signature**

JD Schuch

**Date  
Considered**

5-10-05

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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| Attorney Docket Number | 11520.0222        |

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| Sheet | 1 | of | 2 |
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### U.S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. <sup>1</sup> | Document Number                          | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines<br>Where Relevant<br>Passages or Relevant<br>Figures Appear |
|--------------------|-----------------------|--|--------------------------------|--|---|
|                    |                       | Number-Kind Code <sup>2</sup> (if known) |                                |  |   |
|                    |                       | US-                                      |                                |  |   |
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### FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. <sup>1</sup> | Foreign Patent Document   | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines<br>Where Relevant<br>Passages or Relevant<br>Figures Appear | T <sup>6</sup> |
|--------------------|-----------------------|---|--------------------------------|--|---|----------------|
|                    |                       | Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known) |                                |  |   |                |
|                    |                       | WO 00/26517   |                                |  |   |                |
|                    |                       | <del>Duplicate</del>  |                                |  |   |                |
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| Examiner Signature | <i>JD Schultz</i> | Date Considered | 5-10-05 |
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| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><i>(Use as many sheets as necessary)</i> |   | Application Number   | 09/721,414        |                        |            |
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|  |   | First Named Inventor | Suga, et al.      |                        |            |
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|  |   | Examiner Name        | Dr. James Schultz |                        |            |
| Sheet  | 2 | of                   | 2                 | Attorney Docket Number | 11520.0222 |

## NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|--------------------|-----------------------|---|----------------|
| JS                 | 1                     | JENNE, et al., A novel ribozyme with ester transferase activity, Chemistry & Biology 1998, Vol. 5, No. 1, pg. 23-34.  |                |
|                    | 2                     | LEE, et al., "Ribozyme-Catalyzed TRNA Aminoacylation", Nature Structural Biology, New York, NY, Vol. 7, No. 1, January 2000 (2000-01), pg. 28-33, XP002939339 ISSN: 1072-8368.  |                |
|                    | 3                     | SCHIMMEL, et al., "Exiting an RNA world.", Nature Structural Biology, Jan. 2000, Vol. 7, No. 1, January 2000 (2000-01), pg. 5-7, XP002305387, ISSN: 1072-8368.  |                |
|                    | 4                     | Supplemental European Search Report, EP 00 98 2217, 60 pg   |                |
| JS                 | 5                     | ILLANGASEKARE, et al., Specific, rapid synthesis of Phe-RNA by RNA, Proc. Natl. Acad. Sci. USA, Vol. 96, May 1999, pg. 5470-5475.   |                |
|                    |                       |   |                |
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| Examiner Signature | JD Schultz | Date Considered | 5-10-05 |
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| Application Number   | 09/721,414  |
| Filing Date          | 11/22/2000  |
| First Named Inventor | Suga, et al |
| Group Art Unit       | 1645        |
| Examiner Name        |             |

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| Sheet | 1 | of | 2 | Attorney Docket Number | 11520.0222 |
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| Filing Date            | 11/22/2000  |
| First Named Inventor   | Suga, et al |
| Group Art Unit         | 1645        |
| Examiner Name          |             |
| Attorney Docket Number | 11520.0222  |

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